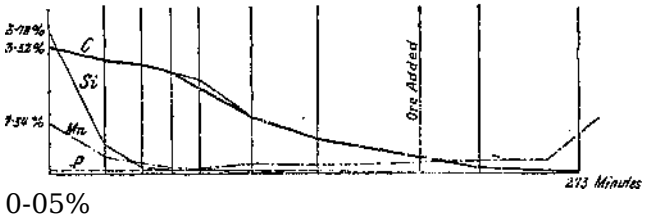
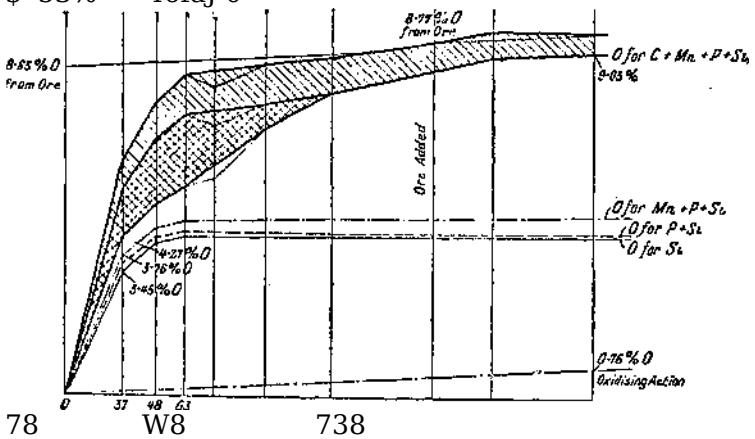
PIG IRON WITH 3-78 PEH CENT. Si. __
Charge . . Irt, 21 3 kg. molten pig iron.
1,500 ,, Limestone (9-3 per cent.) _
At 193 mins.
Per cent. Pur cent. Per emit.
5,000kg. Ore (95 Pe.>0,j=30'3 Ore=8'0;30 „ = 0-5 ,, =0-HO

$$\frac{80 \text{ ,, ,, ,,}}{5{,}080 \text{ kg. Ore}} = 30{\cdot}8 \text{ Ore} = 8\ 77\text{O}$$

FIG. 31.



0-05%
O 37 VS 63 78 708 138 32?
DIAGRAM I.—Removal of .Reducing Agents. FIG. 32.
$•53% TofaJ 0



78 W8 738 227
DIAGRAM II.—Action of Oxygen.
~27J Minutes
Che second fault consisted in that the charge nearly half the ime (viz., from 138 minutes to the end) was permitted to uffer deficiency of oxygen, which had as a result that the ron content of the slag was lowered down to 4*8 per cent., vhich naturally could only occur under expenditure of a great [uantity of time. By means of small ore additions during

Ij;
\'1v